

EXHIBIT B

Patent Claims Analysis

of

**US10021380: "Faster state transitioning for continuous adjustable 3Deeps filter spectacles
using multi-layered variable tint materials"**

against

Resideo HD OUTDOOR CAMERA

US10021380B1

United States

Inventor [Kenneth Martin Jacobs](#), [Ronald Steven Karpf](#)

Current Assignee [Vdpp LLC](#) [Visual Effect Innovations LLC](#)

Worldwide applications

2017 [US](#) [US](#) 2018 [US](#)

Claims priority from a provisional application			
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01/23/2001

Expired

Total patentTerm Adjustments

0

CLAIMS

1. A method for generating modified video, the method comprising:

acquiring a source video comprising a sequence of image frames, each of the image frames being associated with a respective chronological position in the sequence;




identifying a first image frame associated with a first chronological position in the sequence of the source video and a second image frame associated with a second chronological position in the sequence of the source video;


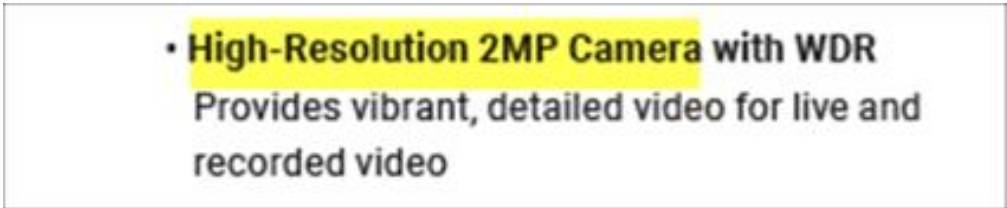
expanding the first image frame to generate a modified first image frame, wherein the modified first image frame is different from the first image frame;

expanding the second image frame to generate a modified second image frame, wherein the modified second image frame is different from the second image frame;

combining the modified first image frame and the modified second image frame to generate a modified combined image frame, the modified combined image frame having first and second opposing sides defining a first dimension and third and fourth opposing sides defining a second dimension; and

displaying the modified combined image frame.

Row	Claim Element	Contention
1.0	1. A method for generating modified video, the method comprising:	<p><i>Resideo HD OUTDOOR CAMERA implements the Method of Claim 1.</i></p>  <p>https://www.resideo.com/us/en/products/security/security-cameras/vx3-hd-outdoor-camera-camwe-wo/ © 2024</p>
1.1	acquiring a source video comprising a sequence of image frames, each of the image frames being associated with a respective chronological position in the sequence;	<p><i>Two consecutive image frames are read in from storage for acquisition.</i></p> <p><i>[Note: This is necessary in order to do WDR (Wide Dynamic Range).]</i></p>  <p>https://www.resideo.com/us/en/products/security/security-cameras/vx3-hd-outdoor-camera-camwe-wo/ © 2024</p>
1.2	identifying a first image frame associated with a first chronological position in the sequence of the source video and a second image frame associated with a second chronological position in the sequence of the source video;	<p><i>Two consecutive image frames are read in from storage for identification.</i></p> <p><i>[Note: This is necessary in order to do WDR (Wide Dynamic Range).]</i></p>  <p>https://www.resideo.com/us/en/products/security/security-cameras/vx3-hd-outdoor-camera-camwe-wo/ © 2024</p>
1.3	expanding the first image frame to generate a modified first image frame, wherein the	<p><i>The first image frame and the second image frame are expanded (scaled) to generate a modified first image frame and a modified second image frame.</i></p>

	modified first image frame is different from the first image frame;	<p><i>The first image frame is expanded (scaled) to generate a modified first image frame.</i></p> <p><i>Since the modified first image frame is expanded from the first image frames - they are different.</i></p>
1.4	expanding the second image frame to generate a modified second image frame, wherein the modified second image frame is different from the second image frame;	<p><i>The first image frame and the second image frame are expanded (scaled) to generate a modified first image frame and a modified second image frame.</i></p> <p><i>The second image frame is expanded (scaled) to generate a modified second image frame.</i></p> <p><i>Since the modified second image frame is expanded from the second image frames - they are different.</i></p>
1.5	combining the modified first image frame and the modified second image frame to generate a modified combined image frame,	<p><i>Resideo VX3 HD OUTDOOR CAMERA combines the modified (scaled) first and second image frame, and combines them - generating a modified combined image frame (which is the WDR frame).</i></p>  <p>https://www.resideo.com/us/en/products/security/security-cameras/vx3-hd-outdoor-camera-camwe-wo/ © 2024</p>
1.6	the modified combined image frame having first and second opposing sides defining a first dimension and third and fourth opposing sides defining a second dimension; and	<p><i>The implication of this clause is that the image displayed is a rectangle.</i></p>  <p>https://digitalassets.resideo.com/damroot/Original/10003/L_VX3ODCEUS D.p df © 2023</p> <p><i>This means the screen opposing sides are of equal dimension (the display screen is rectangular in shape).</i></p>
1.7	displaying the modified combined image frame.	<p><i>The modified combined image frame is displayed (i.e., the WDR (Wide Dynamic Range) video frame is displayed.</i></p>